

What Is Claimed Is

~~What is claimed is:~~

1. A method for outputting data in a vehicle, preferably vehicle data and/or driving-information items, the data being generated by a processing device, the data from the processing device being transmitted on a data bus that is preferably digital, an output unit being connected to the data bus, the output unit receiving the data via the data bus, the received data being processed by the output unit, and the processed data being output by the output unit.
2. A method for outputting a driving-information item generated by a navigation device, preferably driving instructions, using an output unit, the driving-information item being assigned a position in a digital map, a vehicle position being ascertained by the navigation device, the driving-information being transmitted with the corresponding positions, via a data bus, to the output unit, the vehicle position being transmitted to the output unit, and the driving-information items being output as a function of the position assigned to the driving-information item and/or as a function of the vehicle position.
3. The method as recited in Claim 2,
wherein a map having a road and route network is displayed simultaneously to the output of the driving-information item.
4. The method as recited in Claim 3,
wherein a segment of the map containing the vehicle position is ascertained by the output unit or the navigation device, and the map segment is displayed by the output unit.
5. The method as recited in Claim 3,
wherein the driving-information item is assigned a scale ranking, preferably by the navigation device, and a scale of the map segment is selected as a function of the scale ranking.
6. The method as recited in one of Claims 2 through 5,

wherein the driving-information item is output by the output unit in response to the distance value of the distance from the position assigned to the driving-information item, to the vehicle position, falling below a preselected distance value.

7. The method as recited in one of the preceding claims,
wherein a graphics object assigned to the data, preferably to a driving-information item, and/or audio data, which are assigned to the data and are preferably for a voice output, are processed by the output unit, are stored in a memory preferably assigned to the output unit, and are output by the output unit, in a display and/or loudspeaker.
8. The method as recited in one of the preceding claims,
wherein a plurality of processed graphics objects and/or processed audio data, preferably for a voice output, are stored in a memory assigned to the output unit, and a stored graphics object assigned to the data, preferably to a driving instruction, and/or audio data assigned to the data, are output.
9. The method as recited in one of the preceding claims,
wherein a graphics object processed and/or stored in the processing device, and/or audio data stored and/or processed in the processing device are transmitted via the data bus to the output unit and are output by the output unit.
11. The method as recited in one of the preceding claims,
wherein, by request of the processing device to the output unit, via the data bus, the processing device is logged on for the transmission of data to the output unit; the processing device is granted permission by the output unit, via the data bus, to transmit data; and, after the permission is processed, the processing device transmits the data to the output unit.
12. A driver-information device having an output unit (3, 40), a processing device (1), and a data-bus connection (2) between the output unit (3, 40) and the processing device (1), the processing device (1) being able to generate data, the data being transmittable via the data-bus connection (2) to the output unit (3), the output unit (2) being able to process the data, and the output unit (3) being able to output the data.

13. The driver-information device as recited in Claim 12,
wherein the processing device is a navigation device (1) for determining a route in a road and route network, from a starting point to a destination, the navigation device (1) is connected to a storage unit (24), a digital map for the road and route network is stored in the storage unit (24), a driving instruction for a trip in the road and route network can be generated by the navigation device, a position in the digital map being assignable to the driving instruction, the driving instruction and the assigned position are the data that can be transmitted via the data-bus connection (2) to the output unit (3), and the driving-information item can be output by the output unit (3) in response to a preselected distance between the vehicle position and the position assigned to the driving-information item being reached.
14. The driver-information device as recited in Claim 13,
wherein the output unit (3) is connected to a storage unit (12, 35), and data for generating a map display are stored in the storage unit (12, 35).
15. The driver-information device as recited in one of Claims 12 through 14,
wherein the data-bus connection (2) is a digital data-bus connection, preferably an MOST-bus connection or a CAN-bus connection.
16. The driver-information device as recited in one of Claims 12 through 15,
wherein an input unit (8, 10, 99) is situated at the output unit (3), and data that are preferably for control can be transmitted by the input unit (8, 10, 99) via data-bus connection (2) to the processing device (1).
17. The driver-information device as recited in one of Claims 12 through 16,
wherein a display unit (4), preferably a liquid-crystal display, is situated at the output unit (4), and the display unit (4) is situated in a region of the center console (53) of the vehicle, or in front of the driver, preferably integrated into a combination instrument (14, 40) having a plurality of display devices.
18. The driver-information device as recited in one of Claims 12 through 17,
wherein a priority is assigned to the data to be output and/or to the information items,

and the data having the highest priority are output first.

19. The driver-information device as recited in one of Claims 12 through 18,
wherein the data-bus connection (2) includes at least a first channel (110) for
commands and a second channel (111) for data to be output.

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